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## SEQUENCE LISTING

&lt;110&gt; ONCOTHERAPY SCIENCE, INC.

~~THE UNIVERSITY OF TOKYO~~

&lt;120&gt; METHOD FOR DIAGNOSING COLORECTAL CANCERS

&lt;130&gt; ONC-A0302P

&lt;150&gt; US 60/488,924

&lt;151&gt; 2003-07-21

&lt;160&gt; 24

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 22

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 1

acaacagcct caagatcatc ag

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&lt;210&gt; 2

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR :

&lt;400&gt; 2

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20

&lt;210&gt; 3

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 3

ggacatgtgc aggctgggct a

21

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&lt;210&gt; 4

&lt;211&gt; 24

&lt;212&gt; DNA

<213> ~~Artificial~~

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 4

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24

&lt;210&gt; 5

&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 5

gtgttggttt cctcattcaa gtc

23

&lt;210&gt; 6

&lt;211&gt; 23

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&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 6

cctcaagctt agcgatgtat tca

23

&lt;210&gt; 7

&lt;211&gt; 22

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 7

cggtctagac taggcagggt gt

22

&lt;210&gt; 8

&lt;211&gt; 23

&lt;212&gt; DNA

&lt;213&gt; Artificial

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&lt;220&gt;

&lt;223&gt; An artificially synthesized primer sequence for RT-PCR

&lt;400&gt; 8

cctctctcga gggcagggtg tgt

23

&lt;210&gt; 9

&lt;211&gt; 22

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for constraction of p  
siHlbX

&lt;400&gt; 9

tggtagccaa gtgcaggтта ta

22

&lt;210&gt; 10

&lt;211&gt; 22

&lt;212&gt; DNA

&lt;213&gt; Artificial

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&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
siH1bX

&lt;400&gt; 10

ccaaagggtt tctgcagttt ca

22

&lt;210&gt; 11

&lt;211&gt; 30

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
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&lt;400&gt; 11

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&lt;210&gt; 12

&lt;211&gt; 29

&lt;212&gt; DNA

&lt;213&gt; Artificial

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&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
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&lt;400&gt; 12

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29

&lt;210&gt; 13

&lt;211&gt; 48

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
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48

&lt;210&gt; 14

&lt;211&gt; 34

&lt;212&gt; DNA

&lt;213&gt; Artificial

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&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
siH1bX

&lt;400&gt; 14

tttaagcttg aagacatggg aaagagtggc ctca

34

&lt;210&gt; 15

&lt;211&gt; 51

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
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tcccgttct ggagaacaac tacttcaaga gagtagttgt tctccagaac c

51

&lt;210&gt; 16

&lt;211&gt; 51

&lt;212&gt; DNA

&lt;213&gt; Artificial



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&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
siH1bX

&lt;400&gt; 16

aaaaggttct ggagaacaac tactctcttg aagtagttgt tctccagaac c 51

&lt;210&gt; 17

&lt;211&gt; 51

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
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&lt;400&gt; 17

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&lt;210&gt; 18

&lt;211&gt; 51

&lt;212&gt; DNA

&lt;213&gt; Artificial

10/16

&lt;220&gt;

<223> An artificially synthesized primer sequence for construction of p  
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&lt;400&gt; 18

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&lt;210&gt; 19

&lt;211&gt; 16

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

<223> An artificially synthesized probe sequence for EMSA

&lt;400&gt; 19

cgcctttgat gtgggc 16

&lt;210&gt; 20

&lt;211&gt; 16

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

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<223> An artificially synthesized probe sequence for EMSA

<400> 20

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16

<210> 21

<211> 20

<212> DNA

<213> Artificial

<220>

<223> target sequence for siRNA

<400> 21

ggttctggag aacaactact

20

<210> 22

<211> 1546

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (538).. (1161)

1 2 / 1 6

&lt;223&gt;

&lt;400&gt; 22

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 gtgacgttt cgcgtgcag ccgcgcgcc cgaccccgga gcgtgaccc ctggcccac 120  
 gcagctccgc gcccgggcgg gagagcgcaa ctgggttcc agaccgcgg cgcgtgctgt 180  
 ccccggaactg agccgggcag ccagcctccc acggacgccc ggacggccgg ccggccagca 240  
 gtgagcgagc ttccccgcac cggccaggcg cctcctgcac agcggctgcc gccccgcagc 300  
 ccctgcgcca gcccgagggg cgcagcgctc gggaggagcc gcgcggggcg ctgatgccgc 360  
 agggcgcgcc gggagcgcc ccggagcagc agagtctgca gcagcagcag ccggcgagga 420  
 gggagcagca gcagcggcgg cggcggcggc ggcgggcgcg gaggcgcccg gtcccgggcg 480  
 cgcggagcgg acatgtgcag gctgggctag gagccgcgc ctcctcccg cccagcg 537

atg tat tca gcg ccc tcc gcc tgc act tgc ctg tgt tta cac ttc ctg 585

Met Tyr Ser Ala Pro Ser Ala Cys Thr Cys Leu Cys Leu His Phe Leu

1

5

10

15

ctg ctg tgc ttc cag gta cag gtg ctg gtt gcc gag gag aac gtg gac 633

Leu Leu Cys Phe Gln Val Gln Val Leu Val Ala Glu Glu Asn Val Asp

20

25

30

ttc cgc atc cac gtg gag aac cag acg cgg gct cgg gac gat gtg agc 681

Phe Arg Ile His Val Glu Asn Gln Thr Arg Ala Arg Asp Asp Val Ser

35

40

45

cgt aag cag ctg cgg ctg tac cag ctc tac agc cgg acc agt ggg aaa 729

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Arg Lys Gln Leu Arg Leu Tyr Gln Leu Tyr Ser Arg Thr Ser Gly Lys

50

55

60

~~cac atc cag gtc~~ ctg ggc cgc agg atc agt gcc cgc ggc gag gat ggg 777

His Ile Gln Val Leu Gly Arg Arg Ile Ser Ala Arg Gly Glu Asp Gly

65

70

75

80

gac aag tat gcc cag ctc cta gtg gag aca gac acc ttc ggt agt caa 825

Asp Lys Tyr Ala Gln Leu Leu Val Glu Thr Asp Thr Phe Gly Ser Gln

85

90

95

gtc cgg atc aag ggc aag gag acg gaa ttc tac ctg tgc atg aac cgc 873

Val Arg Ile Lys Gly Lys Glu Thr Glu Phe Tyr Leu Cys Met Asn Arg

100

105

110

aaa ggc aag ctc gtg ggg aag ccc gat gcc acc agc aag gag tgt gtg 921

Lys Gly Lys Leu Val Gly Lys Pro Asp Gly Thr Ser Lys Glu Cys Val

115

120

125

ttc atc gag aag gtt ctg gag aac aac tac acg gcc ctg atg tcg gct 969

Phe Ile Glu Lys Val Leu Glu Asn Asn Tyr Thr Ala Leu Met Ser Ala

130

135

140

aag tac tcc ggc tgg tac gtg ggc ttc acc aag aag ggg cgg ccg cgg 1017

Lys Tyr Ser Gly Trp Tyr Val Gly Phe Thr Lys Lys Gly Arg Pro Arg

145

150

155

160

14/16

aag ggc ccc aag acc cgg gag aac cag cag gac gtg cat ttc atg aag 1065

Lys Gly Pro Lys Thr Arg Glu Asn Gln Gln Asp Val His Phe Met Lys

165

~~170~~~~175~~

cgc tac ccc aag ggg cag ccg gag ctt cag aag ccc ttc aag tac acg 1113

Arg Tyr Pro Lys Gly Gln Pro Glu Leu Gln Lys Pro Phe Lys Tyr Thr

180

185

190

acg gtg acc aag agg tcc cgt cgg atc cgg ccc aca cac cct gcc tag 1161

Thr Val Thr Lys Arg Ser Arg Arg Ile Arg Pro Thr His Pro Ala

195

200

205

gccaccccg cgcggccct caggtcgccc tggccacact cacactcca gaaaactgca 1221

tcagaggaat attttacat gaaaaataag gaagaagctc tatttttgta cattgtgttt 1281

aaaagaagac aaaaactgaa ccaaaactct tggggggagg ggtgataagg attttattgt 1341

tgacttgaaa ccccgatga caaaagactc acgcaaaggg actgtagtca acccacaggt 1401

gcttgtctct ctctaggaac agacaactct aaactcgtcc ccagaggagg acttgaatga 1461

ggaaaccaac actttgagaa accaaagtcc tttttcccaa aggttctgaa aggaaaaaaa 1521

aaaaaaaaa aaaaaaaaaa aaaaaa 1546

<210> 23

<211> 207

<212> PRT

<213> Homo sapiens

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&lt;400&gt; 23

Met Tyr Ser Ala Pro Ser Ala Cys Thr Cys Leu Cys Leu His Phe Leu

1

5

10

15

Leu Leu Cys Phe Gln Val Gln Val Leu Val Ala Glu Glu Asn Val Asp

20

25

30

Phe Arg Ile His Val Glu Asn Gln Thr Arg Ala Arg Asp Asp Val Ser

35

40

45

Arg Lys Gln Leu Arg Leu Tyr Gln Leu Tyr Ser Arg Thr Ser Gly Lys

50

55

60

His Ile Gln Val Leu Gly Arg Arg Ile Ser Ala Arg Gly Glu Asp Gly

65

70

75

80

Asp Lys Tyr Ala Gln Leu Leu Val Glu Thr Asp Thr Phe Gly Ser Gln

85

90

95

Val Arg Ile Lys Gly Lys Glu Thr Glu Phe Tyr Leu Cys Met Asn Arg

100

105

110

Lys Gly Lys Leu Val Gly Lys Pro Asp Gly Thr Ser Lys Glu Cys Val

115

120

125

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Phe Ile Glu Lys Val Leu Glu Asn Asn Tyr Thr Ala Leu Met Ser Ala

130

135

140

Lys Tyr Ser Gly Trp Tyr Val Gly Phe Thr Lys Lys Gly Arg-Pro Arg

145

150

155

160

Lys Gly Pro Lys Thr Arg Glu Asn Gln Gln Asp Val His Phe Met Lys

165

170

175

Arg Tyr Pro Lys Gly Gln Pro Glu Leu Gln Lys Pro Phe Lys Tyr Thr

180

185

190

Thr Val Thr Lys Arg Ser Arg Arg Ile Arg Pro Thr His Pro Ala

195

200

205

&lt;210&gt; 24

&lt;211&gt; 7

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; An artificially synthesized sequence of TBM3

&lt;400&gt; 24

ctttgat